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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,860	02/06/2004	Rajesh Banginwar	30320/18023	7222
4743	7590	09/13/2005	EXAMINER	
MARSHALL, GERSTEIN & BORUN LLP 233 S. WACKER DRIVE, SUITE 6300 SEARS TOWER CHICAGO, IL 60606			LAU, TUNG S	
			ART UNIT	PAPER NUMBER
			2863	

DATE MAILED: 09/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/773,860

Applicant(s)

BANGINWAR ET AL.

Examiner

Tung S. Lau

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date See office action.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification Amendment

1. Amendment on the specification dated 08/29/2005 is accepted by the examiner.

Information Disclosure Statement

2. Information Disclosure Statement filed on 08/29/2005 is acknowledged by the examiner; A copy of a signed PTO-1449 attached with this office action.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Tam et al. (U.S. Patent 6,762,629).

Regarding claim 1:

Tam discloses an article comprising a machine-accessible medium having stored thereon instructions that, when executed by a machine (fig. 1, unit 120), cause the machine to: measure power usage on the machine (abstract), and in response to a measured quantum of power usage, sample state data of the machine (Col. 10, Lines 1-33, Col. 1, Lines 34-47).

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Regarding claim 10:

Tam discloses a method of profiling code executable on a machine, comprising: measuring power usage on the machine (abstract, fig. 1, unit 120), and in response to a measured quantum of power usage, sampling state data on the machine (Col. 10, Lines 1-33, Col. 1, Lines 34-47).

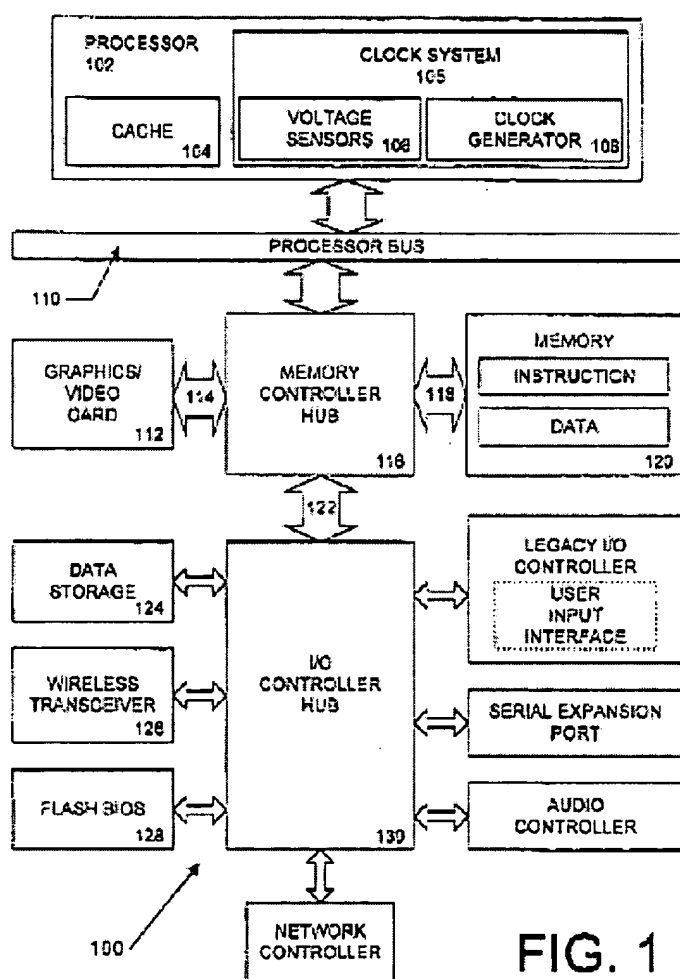


FIG. 1

Regarding claim 20:

Tam discloses an apparatus comprising: a power measurement module (fig. 1, unit 106); and a power sampling module coupled to the power measurement

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module for sampling state data of the apparatus in response to a power usage metric measured by the power measurement module (Col. 1-2, Lines 15-60, Col. 10, Lines 1-13).

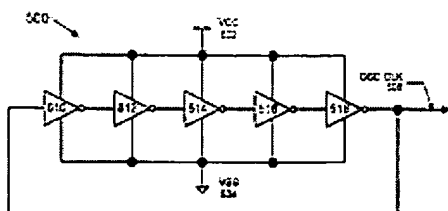


FIG. 5A

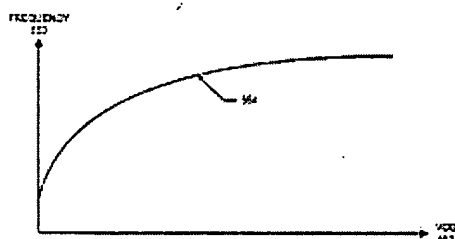
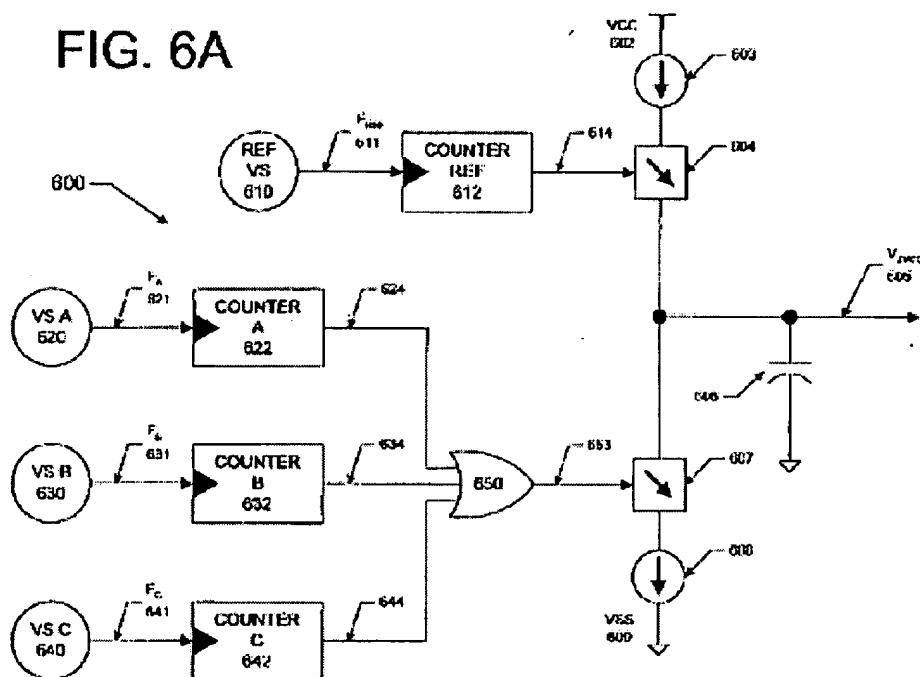


FIG. 5B

Regarding claim 2, Tam discloses provide the sampled state data to a performance analysis module (Col. 2, Lines 30-61); Regarding claim 3, Tam discloses the machine has a power measurement module (fig. 1, unit 105); Regarding claim 4, Tam discloses the machine comprises a plurality of subsystems and wherein the power measurement module is coupled to at least one of the plurality of subsystems for measuring power usage of the at least one of the plurality of subsystems (fig. 1, unit 105, 112, 116); Regarding claim 5, Tam discloses measure power usage of at least one of the plurality of subsystems (fig. 1, unit 105, 112, 116); Regarding claims 6, 14, Tam discloses a network subsystem (fig. 1, unit 105, 112, 116); Regarding claims 7, 15, Tam discloses a

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input/output device (fig. 1, unit 120, 124); Regarding claim 8, Tam discloses state is a program counter (fig. 6a, unit 622, 632, 642, 612); Regarding claim 9, Tam discloses status of at least one subsystem of the machine (Col. 5-6, Lines 61-18);



Regarding claim 11, Tam discloses a plurality of subsystems, and wherein measuring power usage comprises measuring power delivered to at least one of the plurality of subsystems (fig. 1, unit 105, 112, 116); Regarding claim 12, Tam discloses a plurality of subsystems, measuring power usage comprising measuring power consumed by at least one of the plurality of subsystems (fig. 1, unit 105, 112, 116); Regarding claim 13, Tam discloses a plurality of subsystems and a power measurement module capable of measuring power delivered to at

least one of the plurality of subsystems (fig. 1, unit 105, 112, 116); Regarding claim 16, Tam discloses providing power the machine (abstract); Regarding claim 17, Tam discloses provide sample state to a analyzer (Col. 10, Lines 1-13); Regarding claims 18, 19, 23, Tam discloses a program counter (fig. 6a, unit 612, 622, 632, 642); Regarding claim 21, Tam discloses a power source (fig. 5b); Regarding claim 22, Tam discloses a quantum power used on the apparatus (fig. 5a, Col. 2-3, Lines 50-10); Regarding claim 24, Tam discloses power usage code executing on the machine (Col. 1, Lines 15-61, fig. 7b);); Regarding claim 25, Tam discloses power usage code executing on the machine within one of subsystem (fig. 1, unit 120, 122, Col. 2, Lines 29-62); Regarding claim 26, Tam discloses number accesses to a memory storage (fig. 1, unit 120, 124, 104, 118).

Response to Arguments

4. Applicant's arguments with respect to the amended claims have been considered but are moot in view of the new ground(s) of rejection. However, applicant's arguments filed 08/29/2005 have been fully considered but they are not persuasive.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung S Lau whose telephone number is 571-272-2274. The examiner can normally be reached on M-F 9-5:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on 571-272-2269. The fax phone numbers for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TL


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